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5004

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5007

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5008

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5009

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5011

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5012

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5018

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5028

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5030

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5032

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<213>   Aspergillus nidulans

<223>   unsure at all n locations
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<213>        Aspergillus nidulans

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5035

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5036

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5047

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5049

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5052

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<400> 3054

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5057

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aacatctgca ggcagagtgg acaaacccag agattcagta agccgctgct cgaccttgct   300

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tttttccagt ctactagggc gatcatccgg caagggagca ctgggcctgt ggacgcataa   660

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5060

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tcaggaaggc aatgactttt gcctcgttcc agggatactg ctgccctccc cagttcagcg    180

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<210>    3061
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<212>    DNA
<213>    Aspergillus nidulans

<400>    3061

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5062

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<213>   Aspergillus nidulans

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<213>   Aspergillus nidulans

<400>   3064

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tcgccgggag tcggtgtgtt atcgttaaca acaggacgga caaaatgagg ctctttcggc   240

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5064

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<213>      Aspergillus nidulans

<223>      unsure at all n locations
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agttctcctg actcaaatgc tttggtagag cattttttcca caataacatg agctgagaga    240

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5065

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<212>   DNA
<213>   Aspergillus nidulans

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accagagaag cacagaagag aaggtattac agtatttctt tgaagatcaa catatggttg   180

acgcagtact ggactagtac ctgcaaggat atacgtatac acccctaaac aaacccgctt   240

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caacactaac ccgatacctg cattttacac tcgtgctggg gacaatagac ggcggcggcg   420

catcgcaact agagttacct gcacccttct cgttgaggat aaaatcaacc aaaccaccag   480

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<213>     Aspergillus nidulans

<400>     3067

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<400>     3068

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gcgtccagct ccaagacttt gtccggaccg tctaggtagg ttgcggctta tattcgcatg  360
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<213>   Aspergillus nidulans

<400>   3069

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                                   5069

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5070

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5071

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<212>      DNA
<213>      Aspergillus nidulans

<400>      3070

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5082

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<213>      Aspergillus nidulans

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5083

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5086

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5087

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<400>      3084

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5089

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<400>        3086

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<213>   Aspergillus nidulans

<400>   3087

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<213>   Aspergillus nidulans

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5095

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5096

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gtaaaagatg tgatacatat gtattagaat agagagagaa agagatagag aattaggtga   240

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aagaagatat agaaaaggtg gaagaagagc aaaaataaaa gagattagat taatagataa   480

taaaaatatt gggagcaagc actgagaccc agaaagtatt agtagcgagc ttctgctttg   540

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aagcgtaggt tggtcccggc gccgtctctg ataaacgatg gacgtacgac gagatccaag   660

ccctacccctt tctggacgcc ttcgtcaagg aagcacaacg catgcatagt ccatctttcc   720

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5102

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5103

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5104

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<213>   Aspergillus nidulans

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ggaaggaaag agaggaagag gcgattctgc aacagacacc agaggggggg ggggatgcac   180

tgacaattaa tgaaaagttc caccccggct acggagtaaa tcgtacgcta ctgtactact   240

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<213>   Aspergillus nidulans

<223>   unsure at all n locations
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tatgacacac attacgacca atgatgaaga aggtccaatc aaaaacctta tattcatgct   180

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5105

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5106

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<213> Aspergillus nidulans

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ccattaaggt ctttttcggt gatgatgaat gactatctga aagcgaccga cctatctaga   180

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<210> 3100
<211> 1481
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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<212>   DNA
<213>   Aspergillus nidulans

<400>   3101

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agtatactga tcgcaaatgt aggaaagggg attggggaat gacttgataa ggtagggggc    480

tgtttgtgag gtaaactgtt ggtgaagtgt aacaagattg atatattgtg ttggtacacc    540

tcacctcact ttgttggacg accacatgac ttgtttagct gcatatggat gagttgggtt    600

tgtagtcaag tctgatagta cgggttaaca tgaagaacct ctagattata tataaccagc    660

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ctccc                                                                725


<210>      3102
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<213>      Aspergillus nidulans

<400>      3102

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accaaagatt cggcttacaa cctaataaac aagggcaccg gctcaaaaac tccaagttaa    180

ataaaaaggt catttacaga aagtcaagat cgcttaaggt gcttgacaga tcaatatgcg    240

tgaacaagac atgcccagga cattccagat gccaataatg ggcagaggta tccaaaagac    300

aattcagcgt gtttgcccag cctccagctg gcttggtgtt cgcggagcat ttagatgtga    360

attgccagga accgtcgtag aatcttgatt tctgactcta aatcggttgc tgaagttaga    420

caaccaagac gacagtcgcg ggatggaggt atcatttctc gatcgaccct cttcgatcgt    480

tggagtggtc cgtacggccc ataatctgtg gcctattggg cgagaagttc cggaaacggt    540

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gcccctgatc aaaacagctt ggggatgatt tgggcttgcg gcgcgacgac cagaagtaga    660

tggtaagtcg gaagcgtcag gacgaggctt gggtgtataa taatctgcct tgcacagcgg    720
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atctccaggg cttgtatcaa gatccgtaag aacggtggtg ggtatgatat cctcgacggt   900

atgataatca tggtctctga ctactggatt aattcggtcc gagctaactc tgggtgatgc   960

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ggataaaggt attgagcata ccacaaattt gtaaagacaa ccccgaaacc aagagcaaca  1500

aaaaaaagaa gtggagagct agtgggactt gagcctccgt tatcacctga gccgttgtca  1560

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gtctctgatc acgggatgat ccccttatgc caagtctact atccgcggca agggtcccgg  2040

ctcactcact ctttggaccc gccgacagag ccgtttcccc tcgttgggag ttccctaaac  2100

caactggctg ggccggaagt gatgacttag acaactttta gtctagaata cagtcaccat  2160

atcgctt                                                             2167


<210>      3103
<211>      1359
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<212>   DNA
<213>   Aspergillus nidulans

<400>   3103

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gagctccatg caactcaacc tcatctgcgg ggtctttggg ctctgctcat tgcttctcca   180

tgaaacagaa cgaatgttgg aaatagagcg atgtcaacga cggacgaatc gccgcattgc   240

cagtggtgca gacaagctca gtttggagcg atttgcactg acactggggc cactcctcat   300

tgatccgcga ggacaaggag gcgacgcagg cgcattccac atgggtcccg acgagattga   360

aagccagcgg gtggtcacgc tcttgattgg gaactggcgc agcatcagtc gacagttgcg   420

aatctgggag cggcgtgggc ttgaagagct ggaagggcga gcgcaggcaa ggacacgggc   480

acgcgcaacg agcggcgaaa gcgagaaagc agtagagaga tgccagaaag agtgtatata   540

aattattagg tccaggggat gtggaaatcc atgatcatgg ttgaaggttc ggaataatgc   600

gtcaccgttg gagcttgagc ctgtgcacag accaatctag accggtcggg ccatgcgccg   660

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gggcactgag gggtctccgg ccctccattc aaggtggcta gtacaggttt gagacggcta   840

tgagcaggt agcgctgcta tagccccacg ctttctagtg aattctggac gtgtccggct   900

ctcctaggag ctcttgcaga tcgagcgctc ttgattgtcg gctgttcttt ccggacctca   960

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tggtacttct agctggacgg gtgcagctgc cacggagtgt gaaccgccaa ttagaggtcg   1080

cctcagcgac cgatgacgtt gcctgttagg aacttcagcc cttgtcagaa agagaagact   1140

ccaagcccag ttctctcaca atgttcctgg actattccat gctgatgatg atgtcaatgc   1200

aacctgaggt actcctgtgg atgccattgg cgagccctgt ttcgcggatt tcccatccgc   1260

aatagtccaa gcctgtccag gtccagccca gcctaccccg tatcctagtc cagttcttgt   1320

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<211>   1050

<212> DNA
<213> Aspergillus nidulans

<400> 3104

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attgcttgat aaccactaac aaagtgatta ggaatatatt caagaatatt accaggatgc   180

agagagtact atggttctct gtagttataa taagcagatc tgttaaggga cgtatttaga   240

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aaagaaggat tgttgttgca aggaagtctt gtaggtggct caccgccttc aggacagcgc   360

aggccttggc cgagtcacta aggtctaagg tccttgtata ggcaaaggac ccataacacc   420

actaaggagc tttatagtca ggtaaaaact taccctggtg tgtattatat tattctgcag   480

cataaccatt tatacaagca gtatatagat aagtacagag caagatagta ttagagtcca   540

atcagagtag cttgtatact atgaaaagta ttagaagctg aggaagctct actgcaaatc   600

ttcaagcttg gaaataatag cagacgccta aattttactt ctcacctttc tcaaccgcac   660

tcggcctatg tcacaggcta tggcctggag cttggttgtc ggccatgccc tcaacctagt   720

tctagataag gtttctgcaa catcagtata cagcctcgga attgcagcct cgtagcttag   780

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ttccttcttt aagcatgtga tactcgtgaa tacaggacag ccagttgaaa acaatactgc   960

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<210> 3105
<211> 2392
<212> DNA
<213> Aspergillus nidulans

<400> 3105

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tgaatcctgg tgctaacact attcaatatg aatataggct ctatcgtgcg ttgtacgttg   180

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taggttccgt gcctccatgg cttggtagat acgtgttcgt aataggtaga atatacgtcg  240

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agtcctaaat acttctagat gaaacgccag gcacatgcat tacagattcc gtcaaatgta  360

caagagtaga aaagacctca cctctcgcat caagcgatgc tggaaaagac acgcttctta  420

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5114

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<211>      659
<212>      DNA
<213>      Aspergillus nidulans

<400>      3106

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acaagcgttc aggggcgggt gcctactgtg gggagataaa ttgctgggaa acttgtcaga  180

aactccttgt acattctggg ggcatctgtt tcgatgcaaa ttgggacaac ctgctcggcg  240

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ctgcagcacc tgcactaaac cctgcgcaga gccctcggat gctgaacgaa gatcttggta  540

cactgtttta aacaattgaa catggctata tttcgaggta gcctagcgga ctaggaagcg  600

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<211>      1457
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tctgctgaga aacgacttca gttgccagta aagcaacagc caaaggctcc aattgctagc    720

ccatctcatc ctgaaagagc atgatccgtc aagaattcaa gagttgggaa ataggacaga    780

caaaaagacc cttggacgac cttcacttgt ccattccata gaactcttat ccaacacgcg    840

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aaagttttgc cggcagcaaa accacagccc taacgttctc gggcatattc taccatatcc   1020

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cctgtgtaaa agaggggatg cgcatgcacc cggtcatagg cgtctcgttc ccgcgccatg   1200

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5116

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<212>   DNA
<213>   Aspergillus nidulans

<400>   3108

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ccttcagcag cagcgatttg ctcacaaggt aagctggata ccaattgcga ttcaaaagag   180

gccctaggag ctttcggcca gccttccgca gctctccgga tagctccagc aaaattgcta   240

acaactgggc aggaactcaa gttcggcgtt gaagctcgcg ctcagctcct taagggtgtc   300

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gacacccttg caaaggctgt cacatctact cttggtccca agggtcgcaa tgtcttgatc  360

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ttacctctat ccctttacac aaccctgtca aaagttgtca ttacattcac taatttgctt  480

agatggtgtt actgttgcca aggccgtcca gctccaggat tagctcgaga acctcggagc  540

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cgataccgct gttgaccgcg ctatcttttc cgagaccgct aacaacgtcg ctgctggctg  660

caaccccatg gatctgcgcc gcggtatcca agctgctgtc gaagccgctg tcgattacct  720

ccagcagaac aagcgtgata ttactactgg agaggagatt gctcaggtcg ctaccatctc  780

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caagctctct ggcggtgttg ctgtcattaa ggtcggtggt gcttccgaag tcgaggtcgg  1500

tgagaagaag gaccgtgtcg ttgatgctct caacgccacc cgtgcggccg tcgaggaggg  1560

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<400>   3110

5118

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tcacctgggg gggaaactca aacgtccttc acaaataaac gtgagagtga gtaacgtggc  180

aaccaagccc tatccaggga ctgggcagaa cattatgttt ggattcacat ggtttacgcg  240

tacggacgtt tttaaaattt tcagaattgt ttcatcttag tgaatatttc ttcatatata  300

aatggcagaa attgtttact actggcaaat agggtcaaat aaaacaaggc aagacagcaa  360

agagacacca ctgttcaggc tttcattgcc gtagcgacag cagtgagaca ttacgtgaag  420

agtgaaagat tcctactctt ttctctccat ctgcatttct ctataacaca accattcttt  480

tacctttccc ttcaatccca tcctttgata gaaccttatc accttcatca aaccaatatc  540

cccgtcaacc aataatccat accgaagcca gagcgctatg ataaggcgca acccttttg   600

ttcttctgat cttccgtcca tcgcccgcaa gctcgacctc tttttccaga tcgtccgccc  660

ccatccaagc ctgtctgagc tgccgaaatc cccgatatgt tggacgccgc tgcgagctcg  720

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ggaggagtac gtgctaccgc aggttgatgg gactgtagcg agacggaaag tgaagaggat  840

ggagaagtcg aggaagaaaa agaagaagag aaggaggagg agggacgaac agaaagagag  900

ttctgctttg gaggatgata actcaaatgt ccccccggaa agggaaat             948


<210>    3111
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<212>    DNA
<213>    Aspergillus nidulans

<400>    3111

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taataggggc ttggaaggac gaactgtcgg gatgatcctg tctggaggc  actcgaacag  180

tatattgtga tttttttatca attaccatac tgctagaggg tcaatattga agcaatatga  240

tagcatgagg atgttatgct agcgatatga acactagaag acttgaagag attaagtacg  300

ctcaagggcg tcgtattcaa gaccaatagc acgataatca tgtcaagccc agggcgacct  360

tgctcttcct ggcctagcga acgaatcctt cgatttggaa ttgccagact gggttaacct  420
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aaacggcctg gttaggtgct aagccaggta cgttgatctt gctgctgcct tcgacgtaac   480

agacacgaca gttctgtcta tctggccttc ggaccgtaac agaacagaat aatgaattaa   540

aataagataa aaaattggaa aaactcaatc ctgacctgtg gagttcgctt cggcatacta   600

tcgcacatgt caactgccaa ggccgttcca gtgagatgtg aaatgaggac cggctcatcc   660

aatgagtaac tcgtatagtg aagctaaaga tgcaccatga ctccgccgct aaactcagtt   720

caggaaccaa acacgagccc gatttgaatc agtttgaggg tcagggtccc tggggaactt   780

cgggtgtttg cagccgacaa acaggctgag tcgtgctggc ctggcttcga cctgcatctt   840

ccccctgaga tcccagtctg ctcgtcttga ttgagcttca aactgcgagc cgcgagctgg   900

agacaagttc agaaatgcgt acattggtcc gactccttct ctgcacaggg gttgcgagca   960

ctgcgctctc acagtcccaa ggggagagct cgaatcttg.aggggcctac ctcagcgaa   1019

<210>   3112
<211>   998
<212>   DNA
<213>   Aspergillus nidulans

<400>   3112

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tcctcctcgt cctcctcatc ttcttcgtct tcgtcttctt cgttcccttc tccctccggg   180

tctgcgtcac ccgcaccctc atcctccgat ccagatagtt caaaatcaat atcctcctca   240

tcgtcctcat cctcaccgtt cgcctttta gctgccgctc gttcctgttt tgcaattgcc   300

tcaccttcct gtcttgcttt ctcaacaaga ttctctacct cgtcttcaaa tgcagcgcgc   360

tcagcggctg tctcaatgac aataccctta gctcgaagct cctctatcct ttccatccgt   420

tctttcgctg cttgtagtct cgcttgatac aacaaactcg ctgatagctc tgctgggttc   480

atcgccgtag acttccgggt gggcgacgta agctgcgcca gcgctttcag ctttgaatat   540

agatgctggc tcctgcactt tccgtactgg aagattctca aatgctgcaa tactccggca   600

tttggccggt gacgtgacga tttttgggtc actattggtg tcatccttct ggtgccgagc   660

tacctgttcc gggtgagtct aaccctcact ggggcctttc taagggctcc cccttcttgc   720

cactgttatt taaccatttg cttgtccttt tgttcttttc tcaaatattc cttgatactt   780

5120

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tgtcactgct cctatggtct tcacaactgt ttcatttctt ttcctcttac ttttgtttca   840

atatcttcat ttcttccttt ctcatctcta tctctcattt cttttcctct ctctttttc    900

tccttgacat ttcctattta tattactccc ccttctacct tcccatctct ccccctcgtc   960

accttcttac tatttctcta tcttatacca tatcttaa                           998
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<211>      1696
<212>      DNA
<213>      Aspergillus nidulans

<223>      unsure at all n locations
<400>      3113
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gctgtcgcaa acaggaacaa gatcctgtct cggttgaagt ccctccggtt gaatatcacc   180

aataggagtc gatggattaa tgggagctcg gattatgaag tctgtctcct taccacctgg   240

cacctagcgc gtgcacacgg cgaactaact gcgactggct gagacagaga ccggaaccgc   300

acaagttctt ccccgaactg ccctccgtct ggctagaacc atgcatgtcc aatcttcagc   360

acctcaccct ctactccagc atttacatcg cttcaccccc gaaatgcgac cttggggggcc  420

ttcatttccc taagctgaag acccttgcat ttggaaacca cgcctttatc cacgactccc   480

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ccataatcta cgaagccgcg gttagctcgt attcagttca agagggccgg acgcttctta   600

catttgatgc cttccgccct catccacact taccagaaaa taaactatac acgtcctatg   660

atacgcgttg ggctgattat ttccgagcat ttaaggataa gttggtacat ctgaaggatt   720

ttcgttacgg gagtgcacca aactggtggg aggatgagac cactcccttt gagtcggagc   780

agaagatcag gattgggttt ggaaaagaaa gctatctcac ctttgcctct gggattttac   840

cttgtgaata tatggagcat ttctactggt ggatccgcac gaagcgtgcc gttgtaactg   900

cgaactggag ggattacctt gaatatgttc atggagagaa gttggaggtt cggaggatg    960

ataagaaggc cttagaggag ctatgcaaga aagtcgggtt atcgtggagt gtctcttctt  1020

cggaagataa atagtatgat atcgatgggt cggcggaagt caaatgtggt agggacgaaa  1080

gaaagatgaa caagaactgg gacattctaa ctgggtatac tgaaatgcga aacgctaatc  1140
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cccttttttt ccaacatcag cctcgaagag cattcttttt cttttaaccg caccacctcg 1260

gggcttggtt gctttccttc acacaccta aacccttgtt cccattgaaa cggctacgac 1320

ttttttgggc ttnaattcgg ttttaccaga ccctcctttt tccagaaaaa ttatttttc 1380

cttgacccga aaattggtat tgcaaatttt atgccccaaa tataaccccg aaatacacgg 1440

gtaaacccac aaaagggcct ttcccgagaa cccctggcac aggaactttt ggacaaggtt 1500

ccccctgccc cccccgcgga tgggagtggg ggacccaaaa tttttataaa ccccactagg 1560

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tattttcccc ctcctctctt attcttattt ttagtttgac cttgttttg ggtgcttcgg 1680

gggggggggg ggggt   1696

<210>   3114
<211>   1465
<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3114

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tggagatcat gatcgactgg gtggagaacg gggtgaagcc gtctcgtctc aatgcgacgg 180

tctcctctgg agattacgag ggtgagatcc agatgctttg tcagtggccg aagcgtccgc 240

tctggaagaa cggcagcgac agctttagct gtgtggatga caaggagtcg atagagagct 300

ggacctacga cttccctgcc ttcaagatcc cagtctacta gacgggtgct gtctgctggt 360

agccactgct cctttccagg gcttgtttca gtctacttcc ctgtgtacag tatacccagt 420

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gagcatactc cattaatgtt actgtaaagg acacgccccc cgatcagggt cctcgggcgc 660

gtgctgcgtg ataataacca caccgacagc ggccctgtac cccttaccgc tgtgtcctca 720

5122

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attgtaactt ctcctttatg cggatttcaa ccctattttg tcgttagttg gggtgaatat 1080

ctggggaatg agggatttgg tttcctatat aatgtctatt cttctaaatc tctttttgtt 1140

atacttccag ctgcttgtgt tatagctaca gctataccaa ggcaaagcat tcaatcagat 1200

ctagcagcaa taaaatcgag gctatacttc cacattgctc ctccttccaa agagatgcag 1260

ttccttttga ttgactctac tttctgacgc gacttgtagt cttgttctag ggttatgata 1320

gctgttatta tgaagtttct cgttctttgt ctttgtactg aattgactna ctactctagg 1380

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<210>   3115
<211>   1655
<212>   DNA
<213>   Aspergillus nidulans

<400>   3115

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ttactgatat gttttcagac tgcacgggaa cgacgcacat atatcccggt ttctgtcagt 180

cctcgacttt gaacctgttt cgctacacca aacgctctat atgtatatag tcgcaggcga 240

taaatatata tggcaatcgg tgcggagata ccctggttat ttaagattca ttcttaagag 300

tacgtacttg ctgggttgcc aaactgctgg cctgcgagcg agaattcctc gaatcagctt 360

aagggacatc gaaagctatc ccctgggtca aatagaggaa agttacggga agtcgcttga 420

gcagtactca tctgcagcat ctacaggcca tgcctgcccg agtagcacaa cccgtctctt 480

cctcccgcaa gagctatacc gctatcaaat tcccgaaaac tgcctaagtt ctcattggaa 540

tgagattcag ccgagctatt ataggccaga tgcagcatac aagatatgag tccattgctg 600

ttatcactag ctggacgctg cccgcatgca ttcgatatac cttatcacct gtgtgccaag 660

accagacgca ttccagccag tggcaagccc tcagtgactg ctgctcccga ctgttccatg 720

ggttccggcg ggaaataaaa ggattgagtt gcaataccag tcaaacagga ttcaagccct 780

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tccatgtcgc atgctattat atcacaactc cgcatttgac catttttgac cagaggtccc 1020

atcgtccagt gtcgaactat cgtattgtgc acccaaaacg tgtgaagaga aattgaagat 1080

aacagagggt tcgagcgagc catcaatcaa caaatcaaga tagcatccta aagacagaat 1140

aggtgggatc ttgacactgg cactgtggag ggcttgttgt aagagacttg gaagattcca 1200

ccgaagatgt cattaacccg ccaggaaaga aatactactt cggccgatga atcaaaattc 1260

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tactgacttt ttcgcttccg aacagcaata tgccgagtcg cagagcccat agcggtcacg 1380

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gcatcattct acgctggaat ccttgtcgcc acatttatcc tagtggaggt cctctctaga 1500

aactccttga tcgctatatc tgagtgtgag cggaggaagc ccagaatgat ccctctggtg 1560

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<210>   3116
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<212>   DNA
<213>   Aspergillus nidulans

<400>   3116

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tataattagc taatattaat tacttatctt agatagctat agaagctatc taataccta 180

atttaacaag ttctataaga ataatagtat aatatctctt tatatgcctg ctggtttatc 240

ttatctatta taattattag atattggctg gtttggtctg ctaaagtata tatatagagg 300

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tcttattaaa tcaagattat accttagcaa atactatatt aataagtttg actttttaga    360

ggcctatccc ctgtatatat taaaatattt ttaataagaa aaatatttag agcagctttg    420

ctgctacagg gatagagcta tataatctag ataagattct tagtaaactt tatatattac    480

tttttatatt atctcccccc ctggtatcaa gcaggggttc tagtatattt actatattct    540

atatagttta ataactatac taaaagactc tattacttta gaattctata gagagggcct    600

ctaagatact tattaaggat attaataact atatagagca gttataaaaa ggctttaaag    660

ttgctttata taataaggaa tttcttgctt ataaaaacca acttctatac ttagaaagta    720

taaagaagag gcttaaaagg taataatcta ggtaccagat aatacctaat aaaggtatct    780

tagtataaga ggcaagagat ctgatattat agagaaataa gtatctaaat actaaaaatc    840

cctctcctga tagatctact ctagagtctt tgtctatact aagataatat ctactaatat    900

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<210>       3117
<211>       1012
<212>       DNA
<213>       Aspergillus nidulans

<400>       3117

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ctattgcaga cctcatagcg acattacttg tcaaaagtct cgaacaatcg gctgataaaa    180

tttatatcca acatgctccg atgaggagtc aggaaggtat aattcatgta ttctatcata    240

aataagcgct cgctaatatt gcaaagcaaa cactcaagcc attcttcttg ccgcaggcta    300

tctacatcgc cttaaccgag atgaagtgaa gagcattgga catacaagtg tcttcctcaa    360

cgctgtatcc aaccgcttag cagcgacctc cacacgggcc cgcttcctcg gaatgatcat    420

tggcactgcg atctcgcagc ttattgagga acccggtaaa gcaatcaaat ttgatctcga    480

agagatggag ggcgatgagg ctacatggta cttgagtctt gttaattcta gcgacaaaat    540

tgggtctctg gactccatta gattgccaaa aagtatgtct aacaagcctg accgactgc    600

agtcagggcc gaagcgcgca caagcactac acgtcctctt gggaagtcta accaacgtac    660

aacaaaaatt gtggcagttg aagagataga caattcggat gaggagggtg aagacgagga    720
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tgctgatttg ataccttatg aaaaacctga cgaagatccg gctgatgagg acgacgaccc 780

aacgcttctg cagcggaata aaccggctgc gccagtgtaa gtctacttat ttcaagttga 840

ccagaccatc taatcattga taggtacatc cgcgacctta taatatacct tcgggacaca 900

gagaacctag accgttacga acttgccctc gaacagcccc agaactaatc agacgtaagg 960

ccggttttgg tacaagttcg ccaacacaca gaaaattggg tctcggctcg tc   1012

<210>   3118
<211>   578
<212>   DNA
<213>   Aspergillus nidulans

<400>   3118

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catgacgcga attatcgtca ccaacgatgt ccacaaaggg ccgacacgag tcatcagtat 180

cgaaaacact gctggcggca gtgtagtgcc tcttgctgag ctgcgccgga tccgcgagtg 240

ggctgatcgc aaccgcgtcg cggtccatat ggatggtgct cgattatggg aggccgtagc 300

cacggggcgg ggcagcctgt ctgagtattg tacgctctgc gacttggtct ccctggactt 360

tagcaggaat ctcggtgcgc ccatgggcgc aatggtgctt gggtcaaccc agctcatagc 420

ccggctgcgg cgaatacgca agagcattgg tggtgccctc aagcaatccg gtcctatcgc 480

cgcagccgcg cagtttgcct ttatggagca gtttgggctg gggccctggg gaagtcaagg 540

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<210>   3119
<211>   3072
<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3119

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tgagcgtctc ttagaaccgc ttcgccagtg agatccatcg cggcgcgcag ctcgttggct 240

5126

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gttgagtcat gatatttacg caggtacaag ttcttgagca acttgatggc catctcctcc   420

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5127

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acgccgcgta ccgactgaac acctcatttc gttcttccga gtcagcaaca atccggcgac 2100

ctgaacgttc aatgaaccct tcaaccgtcc gcagcgtcgt aacgaggaac ttgttatacc 2160

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tcgtgcgcat tc                                                    3072


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<212>      DNA
<213>      Aspergillus nidulans

<400>      3120

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5128

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atgaaactgg accacagggc taagcatagg cggatcgcga gcgagtcgac ggtctgtcac  720

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gaagaggaag gaaaaaaggg gaaaagtaaa aaataaaaga atgaggaagg agggaagaaa  360
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5130

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5132

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5134

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5136

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5138

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tttgccgata attcttttca tgtcgcaagc ggccaagcag acaagggcta aatactctcc   240

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gaatgttata tacatatata cacacatata ttcctacgtt gagctcttat attctaggat   840

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5139

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tcatcgtgca aacatgttgc gtaattcgtg ccgggtccaa taccagatca agcttttccg 1140

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tccattcttc tatcatcccg ccgcaagcac agtcgcaacc acatactctc cgtcatgcga 1260

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5140

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5142

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5144

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<400>   3133

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5148
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5151

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5155

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5165

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5167

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5170

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5172

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5173

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5174

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5179

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5181

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5187

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<211>   1315
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<213>   Aspergillus nidulans

<400>   3171

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ccgtcggcga cgaaggcgcc tgatacaacg atgaccttgg cgacatctca ccaggacccg   180

gatacagggg agtcgaagat gtcggttgca tcatggccgt cgagctgctc cggtcagccg   240

gattccacgt cctcagcttc ccatcttccg tcgtgccagc ctgcaggacc ccggcatcaa   300

gaacgtccgc tttcttcacg aatcgatcaa cgagcgcttt cagagcggct ctctgctgcc   360

ccttcaccag aggcatgagc gtgatattgc attccatctc ggtgtccaca cacaggtaaa   420

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aggttggtct ggttttatga tgtcgcgggt agtaccattg acatatatgg acatcaccat   1140

ttataaatgc atctatgtat tatctaccaa aggctttcgg tgaatattcg atatatggtc   1200

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<213>   Aspergillus nidulans

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ccgcctaatc caaagcctcg aacgagggca cgccctcgtc ctcgtccgcg gggtactcga   180

taacccgaac tgggcggttg ccgaggagta ctacgcggct agggcggagg aacgaagggt   240

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acctaaacta tggattctag ctacaccgct cagcgcctac ctcgccgggt tcatcgtata   660

cctgattgat tctttctggt ggactctacc ctcaccagcg aaagtcgcac cccaaaaagc   720

aatacgataa tcaaacaata aacaaaggtt ccctgcccag tcttgaggcc caacgcccaa   780

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tgagtccagg gctatcgtcc gtaagactga gctgacgctg atgctggcga taatgctgcg   1020

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<212>   DNA
<213>   Aspergillus nidulans

<400>   3173

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gacttgcact ctttgcagag cctgatgtcg atgttcaggg aaccaacgtt gactgatttt   180

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ttggcagaat ggacaccttg tcacgctagt atcatcctgc cagctaacaa ccgtctgctc    420

gagagccttg cgctcatcat gctggaatgg aataggccag agcttattcg actgaagctg    480

ctctggtgaa aggctagcta atagctgcgt gagcctcgtc agacgcttct ctaaccgaga    540

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atctctgacc agacctactg cgtattagaa tccgccatcc aaccaagctg gaggtaccta    660

ccgttatgat cattataccc tcccgcgatt tatagcaagt ctcgcagact ctataccaca    720

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gcgcttcgcc ttctccatct gcgtcttgaa ccaatcctta acttcatctt gtcggtcgtc   1140

ctctaggtta tgatgaacgt cgtcgaggtg tctgcagaag ggaagtttgt tagtcgaagc   1200

acgaaaacca ggttgcaggg gtatgcaggc tccgtcaata cctgtttagc tgcagcaatg   1260

tgacctgaaa ttcattagca actcagtcat ctctcacaca caagaagccg tattcggcga   1320

gcacaaactt accatctctt cgctgcaaat cgggcaaaat agctgagccc cggtcgcagc   1380

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<210>   3174
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<213>   Aspergillus nidulans

<400>   3174

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ggttgagaag aaggtcaagt tgagctctgg tgacaagcga aaacagagga aggagcgtct   360

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cgatgactgg ctatcccttg ctgaattatg gctacctact cgagcgtcaa agagtagggc   960

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5196

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aaggtccctt tcccaacttc cccactatat tcgatcattt gttacagtag tactatgtag 3360
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<400>      3175

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5198

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<213>   Aspergillus nidulans

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5199

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agctcaagat cattttccca tcacccactc ctctcactcc ttctccttct tcgtctccta  1980
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5200

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5201

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ttgaccggcg accaaggcgg ttacggagct agcggaagac catcatgatg gcgagcaacg 900

ttcccagtat tctttctcgt gctggcagcg agcgggctca gggaatggt 949

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<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3179

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ctgtcgactt ttgggacaag tcttttacca aaatggttgg ctctcgtgtc aagataactg   360

acgcgctaaa tccttagatc tccccagtct tcggatgcgg gttgatgtaa gtcttcccaa   420

ctgtatttgc tgcgccacag gacgcctcca acgaacccct cgcatgcatt tctgtcatat   480

ttttggtttc ccacgcggtc actcgaatct tgctattctt ttcaggcgct aaagccaaca   540

tggcggtgca ctttgagtgt ccgactgtc ccaccagaat tgtcgcggac gcgggccgca   600

aggccccaca ccccttgatc gccggctgac acggtcatgt tctaggctcg tttttgtctc   660

ggtaacaagt ttgttattga tctcctcact agtcagtctc atgagcatga gcatggaggg   720

tgtaagtctc ccttgctgaa ccgggcttct tcgcggcgct gatcgacttc cttgtaggtt   780

atgtcgcatg cccgagaaga atatctcttc cagttagtga taaaaattgc gttggatttt   840

tatcacagcg actaattcaa taggctggcc atctatgttc tagaaagtag cacttccaag   900

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cgctaataga tggcacctaa ttctacagaa cctcattcca ctcctttgca ttcgcccaat 1020

5202

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agaaacagcc ttgttcagca agattgacgc ttaaagattg aaccgtccta cctccacgaa 1200

acgggccgct tccggccggt atagccatca cgttatggct ttgacttctg ggctagacgt 1260

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gctgctgcta tgtaccgttc ccgacaaagc aatctacttc cggggtgatt cgatgaacgg 1560

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aagccccggc cctgcgtagc aaccaggtac ctcctcccac acaccacacc cccttcacct 2640
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5203

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cgaactttac cctgctgatt ggactggcca gttgatgcct acgacagtac cactcggcta 3300

ctccttcaac acaagcctaa tgacgccagc tacattatgc gagccctata tcggttctga 3360

cgtttccacg tcgcccctta gttactgcgg tccacaagca atgagtgcta cgt   3413

<210>   3180
<211>   1098
<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3180

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cacagtgacc aggaactgat cgttacccaa gtgacatcgc ttgtgctcgg cgggctgacc   120

actggctcag cagaatggtg ggacgaatat accctgtcga ttccaacaaa ctcctggttc   180

cgcgaagctc aatggattga acatgatctt cctggccttg ggttagacga ctatggtgtt   240

tacgggcgtc cggagaacca cttcgcctcg cttgcgcact atgcggtctc aaacaggggg   300

acgttctcaa cggaaggcca cttaccgatg ggtctcttga agcgccgcga taatggcgac   360

acgtggttgt ggcaggtgga gaataacggt tcctggcgat gggagatcgg tgactggaag   420

gatagcgtat atttggctgc tggtggcccg tcgagacgg atcatgactg gagactgatc   480

ctccagccgg gtgaggaatc cacaacggtc cctgtggcgc tggtccatgt ttacgatgat   540

tatgagaagg cgtttttccgc tttgacacga tatcgacgga tcattagacg taaacatgag   600

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gataactcgc gtctgcctat tatctttaac gactacatga actgccttat ggtgacccca    660

ctgaagagaa aatccttgca ctttgtcgac cccgtcataa aagcccgggc tgagtacttt    720

ggaaatgaat cgcgggtggt atgcccacca aggcagggtg gtgggaatat ttttacaagt    780

tggaacccct taaataaactt ttttcaaatc ggttttttct tttctttgtc cgcttaaaag    840

aaaaggttat tttcagggggt ttgtataaac cctagggggtt ggtctcccga tttggttttta    900

cccactttct tgaaatactt ttctcaccta gggtactaaa tttaaaatgt ccttttcggt    960

gattccgtct ttacctttttt aataacattt anttgttatc taaggctaaa cctacaattt   1020

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tatttctatc tttttcca                                                  1098


<210>      3181
<211>      1395
<212>      DNA
<213>      Aspergillus nidulans

<400>      3181

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tagttatgcc tcagagcgca ggggctgaga ataacatact tggtaggtcc gtgtaaggct    180

gcggagtgta cattccaaag tagtaacggt tctgcgagct cagctctccg gcagaggcag    240

tgtcatcaat gtccttgctc tcgtcgtata caatcatggt gtaagtcgcg gtaagcaacg    300

gagccgtggc gtttgcttgg aattttcccg tgtcccacgt cacagtttgg gtctcctcga    360

cgctcatatt gctcgagatg gtgtaggtag cactgttgag actgcatgat gcgacaacat    420

tgacagcagt gggtgtgata gatagcgacg tataattcca gacaaacgtg ataatatcac    480

cgatcttgta gtatgtcgtt gatgcggaac tcggcgtcaa catggagata ccacccggag    540

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tgtcgctgtc agaggatgat gtggacgtgg ccgtttcctc cgcctggtcg tccgtggggg    720

tcgcgccggt agtcgcactg tcggctgcgg tcgtagtatc cgagtttgag tccgagtcta    780

agcgatgtca gcacattgta cgttgatacg ccgacgcggt aataatgctc accatcctgc    840
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ctaggcaaaa gttgaccgtg acccaacaac ccgtcaaact gccatgcggt tgagagcatc   900

gctaacaaga gcaggcacgc aataggggaaa agagcagtaa accgcatgat taataaagcc   960

cgtcggccgg attatctatc tcgtcctgtc gagcaagcgg gggtgtcaat cccccttcgct 1020

tcagtatctt atcaacctcg ggtgcccaca gcaacggatg accgacgtga ctaggcacaa 1080

caggtcgata tcagtgagac ggtgtaattc aatccaaaat cgaatgtggt tataggtagg 1140

cgatcaggac agtggtcgaa agaggccgtt gcgttggctg tgaaacggag aagtggtcta 1200

acaatcttca gggtcttagg ggtcttccag agcgagtgga gtggccggtg caacgagcgt 1260

aaacaagcga gcgactgcgc aatttgtacg agcaggaaca aaactcgggg ttggagaaga 1320

agcaaagaag tccccaggaa gcgatgagaa gaagagggaa gatacaaatg cgacagcgaa 1380

ggtgagagga aagga   1395

<210>   3182
<211>   1099
<212>   DNA
<213>   Aspergillus nidulans

<400>   3182

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gtagacggaa gtcagtcgcg tgctctcaag agaaagcgaa gcagagaagg cgcgaactga   120

agagctggag ccatgaggac cagctcaagc aattgagcac tagagcagaa accaggcaaa   180

ttgtgtcgac ttacttcgca ggcttggaca ggaatcgcag taggtcctct gagttcatgg   240

aaggcagaac cgattcgggc ttaaaagagc acgatggagc gagacgccac agttgtgaac   300

atctgctaga ttgctccaga caagagaaat aagagcagtg gtcagaatct caagtcagat   360

cgaaagacga gagacgctgg agagcattga gggaaaaaga aaagcaggca aacgtggggt   420

gcgcaggtca aagcaagaag ttgtcgccag cgctgggggg ttaagaaggc tttctacttt   480

ttgaggggg gctgggctcg gcttaacagt acaccagctc cagttggcgc tgaggggtta   540

aaacgtgaat gacttgacaa agggctagca gacgcagagc gccagtaagc aattaaagag   600

aagagaatcc gccggagtaa gtcgggatac atagaacagt atagctacag ggaaggagat   660

ccagctagac ttaggggata aagtgtcggt ctggtctgga gtttatatgc cgatttgggt   720

ctcgtgtgag cgtaatttat ttgacagata ccataccgaa gtataaatag atgagaaggc   780

5206

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ggtcgcctgc  cagggactat  gacgtctccc  cggatcaaca  tcagcccccct  ccgaccagcc   840

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cagtcagtat  cagatgtgt                                                  1099


<210>      3183
<211>      1362
<212>      DNA
<213>      Aspergillus nidulans

<223>      unsure at all n locations
<400>      3183

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gccacctcta  accccaatgc  aacgcccacc  accgacagcg  caactgacgg  tgaaagctct   120

agcacagaaa  atcacaacga  tggtctctcc  actggtgcca  aagccggtat  cggcgtcggc   180

gttacgcagg  cgcgataatc  cttgccgccc  ttgccttcct  cctctggcga  cgcatcaaag   240

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gttgtgcctg  ccaagcaagc  aacaagttgc  gtcaggataa  taatccacag  cgacgatgat   540

gcggctacgc  gtgattcttg  gacgcttcct  atgtgacacg  catcagatac  cattcctcta   600

ttactacttt  aatcagaatc  tcagttgccg  taccggttgt  ggttgcatgt  atgtactcga   660

actcatcagc  cgccactatt  aaataccaaa  ttcttgcact  gcaccctttc  actttagcac   720

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ctcaatataa  cggaaccagt  agcaccttat  gcataaccag  aggtcgtcca  ctgacatcca   960
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5207

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gacccactac ttcgcatcgt ccactcctat accaacctta ctgctttttc accggtcata 1140

ctttccacta ttgatccacc gactgaccac cggaccacca gcggtctatt gtcatcagcc 1200

ctcagctcta agtctactta tcgacatccg ccaatcggct agatatcaag aacaagaatc 1260

aatcatccat ccaattccca tctatatact gtttttatcc actactttct gtctgttgca 1320

ccagctgaca accacttaca ttactgatca acatcacttc cc                    1362


<210>      3184
<211>      479
<212>      DNA
<213>      Aspergillus nidulans

<400>      3184

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caacggcagc agccggacga ccggcagcag ggacgcaatt cttgatcgta gtcgcctgcc  180

agggtcggca aatagtacag ttaccggcta taaagcaggg ctccaatggg ttcgactatg  240

attgctcctc gtcttgatct ccggtaaact aacaggcacg gacatccgga gaaatcagtt  300

ctgttggttt gttttatgtg cgcgtgctct cagggcgtgc tttcggctcg tgccctacag  360

gcgttagaag attgaagata tctctttgat ctatgaccca cggcgatgca tccctggcac  420

ctatagcatg cttggcgtat taggctcaat cagagttcga agccatgtca tttttgcgc   479


<210>      3185
<211>      577
<212>      DNA
<213>      Aspergillus nidulans

<400>      3185

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taggtgctta tcacgattat cctgaccttt gtgatacatt ccatcaccc actacccgcc  120

tgatgaattc aaccaacgcg gcccttccat cccccttcag cggcgcctca atatgcatcg  180

ccccccttgac gttcactcga acaatgtcca gtccaaaatc tcttcctcta tgttcaagct  240
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ggtccgccac ccagggcggg atcacctcat cattttcggc ggagaggagg aggatgggtg    300

gtactcgttc agaccagtgc cggtttcctg gagagcttcc ctggccctga ttctgttgat    360

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catttttta ttcctagagt tggatgctct cgggacctag tccgcttatt tttcctcctt    540

ggcacccgtg tagggtggtt cctgttttat ttctctt                            577


<210>      3186
<211>      471
<212>      DNA
<213>      Aspergillus nidulans

<400>      3186

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cccatgtgag tgctactgga attacatacc tacatggaag gacacggtca cctgcctcaa    120

cctaaaatga tctaatgtac cgactctgtt gtcatgggcc atcttggtaa ctcatagcac    180

acgggtcttt aggatggaaa cttgagatgt gaagcatcct ctgaatgttt acccaacatg    240

ctggcactgg aaccgtagga acctagacct cttactgtat acatctttaa ggccaagaca    300

tggggttgaa attatccgag ggcgccatta tacccacaga ccaagcctgg cgtgccctca    360

atctatactc ttgcaccaca ggctagaaag atcatgcccc actatacaac aacgattggc    420

tataaacgct ggggggagcc tcacaaagaa aacggtttgg gctacagatc g             471


<210>      3187
<211>      1997
<212>      DNA
<213>      Aspergillus nidulans

<400>      3187

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agaaaagtta ggaggggctc caaaaaaagc ctgcagtgta tccttggcat ggggcaccgc    180

ccccctttat gggaagacag tcaagaagcc gctggcaaac ccaacagacc tgttgttgca    240

caaacaggtc ctataaaaat ggttgaaaag atgttggtcc ggcttcccaa atctccgttt    300
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5209

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aatttggaac caagcctaca tcttcagttc cacgtcgata cctgtcgagc gcacacgttt    420

acgtccggct ccgcgatggc gaatcatggg acaaacatcc cgcaagagct cctggtagat    480

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ccagtttggc cctattctaa taggcggcca gcaaccaaga aagataatat tccggtcatc    600

tataccccctt ggtcgaatct aatgaaagat ggctccatgg caacgggtca ggtatcgttc    660

cacacccccca agctggttaa gaaggttttc gttgcacagc ccacccccgc catcgtgaac    720

cgtttgaata aaaccaaggt tgcgaagtac cccgatctgc gagcggagaa ggaggactac    780

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aggagaagag ggagcgggac agttgaaatg gcaaaaggac catgcatatg acgacttatt    900

ttcggaggag aacatggagg ccagcaacaa ccaggatcgg gatccgaatt tccttgatga    960

ctttatgtga cggatgtccc taccactgcg atacaatata ccccactttc gatactacaa   1020

cttacctcac ccgatctggc attttgaggg cgcattgcaa gcgacgtgag tgtatagtca   1080

ggccaatggt agttgtagaa aatataatgt aatccgcata gttcttagtt ccggctcggc   1140

atcatggcag cactagcatg gctatttgac tgtcgttaag cggagtcggg aatggccggc   1200

ccgaagaaag ccttggcgcc ccggagtgcg ggcggagctt tctgtgagag gccacccagt   1260

acgtcatgtg aagctgccat gttctccagc ttacaggtct ggaatcctta acgtttcact   1320

gcaacatcag ccttccactg attaagacca tgaattgtcc atcccgcacc gatgatacgc   1380

tccccactg cgactggaac cacagcccgc cgtttctggc gcctgactta caacccggc   1440

atgacctaaa tggcatctcc aatgttcgcg agtttaagga tgctgccact gtggtcatca   1500

ccatgcagca ctgtctgcac gacgcagact tactgtctcg ttacaaacgc gaatctgagg   1560

tgttgcggca aatgcacccg agggcgtccc tgacccagtc aggtaggttt aaaacggatt   1620

ctgtgggtta tcgacaatgc attaacaccc gacaggacgc ccgaaagatc gagttgagca   1680

tgctcgatct tcttttgatc aaataaagag ctggtgctca tggctgcttt cagtgctggc   1740

cacagcgttt taatttccgc cagtggtttt gttgactggt tgactgggac cgttgttcct   1800

tttcgacaga ctactacggc ttcggttgga catctagtac tagataagga aactatgcag   1860

gtgcgcaggt atgctaagcg acaggcctgc gcgtcaggtg gtgtcgatgg tagtgaatac   1920
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5210

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ctctgcctat attggtt                                                  1997


<210>      3188
<211>      2723
<212>      DNA
<213>      Aspergillus nidulans

<223>      unsure at all n locations
<400>      3188

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aattagccag cattccgtgg gcacgttaat taattaactt accccaaggg acttaatata  120

gatcaatcca gctattaatg gaactttacc taggatcatc cgcactaacc gtgctctaat  180

gcagcccccc gctcgctcag tcttagcacg gcggctattt ctcgtctcga tgttgtaaca  240

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5212

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tgtttcctcc aacggacttt tgaccgcggc cccaatgcca gattggttga acagacgaat   180

gatcaaacaa gaaaatctaa gtctagacaa atcataggta tcatcaataa gcagaaatgg   240

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agtaactccg taggccttca aatactgtaa aaatgaatgc cgagcttggc gcagaccgcg   360

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atctcgactt tattgtgtcg gctggataaa agaggaaatt gtagctgaca ccggctgctg   540

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<213>   Aspergillus nidulans

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5214

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aaaataataa aaataggaa tatttaaaaa agaattaaaa tatgaataaa gaagtaagat    240

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aagaaaaatt gcagaatact aaataataag aaaatgtata aggaaataga aagtagttgt    360

gaaagccata aaaatataac aatcagtaga acaacaaaaa aaaagttaa caagaagaag    420

aacaggaatc attacaagac aagaggatca aatagaacga atagaatgta gcttaaaaat    480

tttcgatgag acaacttca tgattccata tccatatcca aatccatatc agccatgtct    540

tcctcctttc gccttccatc ttccttcttc ctctcccaca tccggttttt cttcttttgt    600

cgaatacagg attgcaggat catctggagt tggctgctcc tcgccctgga acccggcgag    660

tcgccaatta ctgggtgtct gtgtccgctg aacctcagat ttgcctagaa tgttcccctc    720

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aaagtcagtc ttgaccgtgc taccaaccgg cactggtagg ccgtcttctg aagaccgtgc    840

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gacgaaggtg ttgccatttg gcagagtctg cacattacca cgcagtcgag tgaggccacc   1140

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tgcacgtaca gagcagacta cccgtccaca tccgcctcc                          1239
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cagttgccgt gccccacatg ttcgggaacg ttaaggttgt aagcgataat aaggtaagcc   180

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aatagacaga cgggacatct cgcacctaca gtcatagaag ggaccagccg tcaagccagt  480

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<213>   Aspergillus nidulans

<400>   3192

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<223>      unsure at all n locations
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gagcaacctc gtccctcaag aagaagacaa aaaagcttgg ctttatctaa aaaatgccat    180

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5217

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5218

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5219

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<223>   unsure at all n locations
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5220

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5222

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5224

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5226

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5227

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<400>      3200

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cgtaacgtta agctcacccc tttgaatttg cacaagatat ggcgtttctg ggaacgtctc  480

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tataacaatg cgacgcgtta cactatctga tgtaaggaaa tctggatctc gctcaagggg  600

ctgtaattgg tagtccagcc acccgtaagc tatactaggg accggcatca gtggtgtagc  660

tgacacattt gtcaaacatg cgggagccgt agatgggtac tgaaggatag cgtatggtcg  720

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<213>   Aspergillus nidulans

<400>   3202

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gacaacacca gtgactgtct tggtcgtctg ggagagtcca agctggtcga caaaaaccaa   180

cacgcaaacg acagacaaaa cccgcactac ctgaatagta atgttgatcc attgagttga   240

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aaaaaggctg tacttccgcc aaacctcttt gttctcgtat aacggtgatg cgtcgcctcc   480

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5233

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<213>      Aspergillus nidulans

<223>      unsure at all n locations
<400>      3205

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5235

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5236

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5237

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<213>   Aspergillus nidulans

<400>   3207

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tgcgcggtaa ttccggcctt gtacaatgag gtagcttgca gtgctcggcc cgaggcatta  240

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<213>      Aspergillus nidulans

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aactaaaatc tccacttaaa tggataaggg taaaccgaat gaaagaatat ttataacaaa  180

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<213>   Aspergillus nidulans

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5241

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5242

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agacgtactc ggaaggcaca tacggtcaag agcccggagt tccgggacgc agggcccttt   240

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<400>      3213

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5248

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5250

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5251

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5253

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5266

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5268

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5271

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<400>   3232

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5272

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<400>      3235

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5274

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5276

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5278

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5281

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5298

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5302

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5305

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5307

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5308

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5309

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5319

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5320

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<213>      Aspergillus nidulans

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5322

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<213>      Aspergillus nidulans

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<212>      DNA
<213>      Aspergillus nidulans

<223>      unsure at all n locations
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gcgaagctcc aagggaaaaa aagggtgctg ttatctagta ttgacactgg aaagttctcg  300

aagtcacaat tgttgaaaga ccaccattct tcccgtaagg ttagagactt gtacaactta  360

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5325

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tccccgaagc gttgtcaaat tgatcctgct gacgtagcgt aactcacatg gaaaactaat 2040

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atttttttaa a                                                       2111


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<212>      DNA
<213>      Aspergillus nidulans

<400>      3269

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tggcgcgaaa cagggccgtc atacacattg tcacggagat tgtggtgatc caataaatca    180

tgaaagcttc acctgtagcc ttgagaccag tcatccagta gactggcaga gcgaacagcg    240

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5326

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<400> 3270

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5327

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<400>       3271

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gctcgatgcc cctttcacgc ccgtagagcg cgctctggtt taccttccag tcaataggat  720

gggagcactg cttttcttcg gcggtgaggt accgtctgtt caggagggta tcgatgcaga  780

acttacatct gtgcgtttgc tgtcgtcgtt tacatgctca actaccagtc agaatgcatg  840

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cactgaaacc tcccgtactc aatcttgcgc ttctgttgtc cacgatcccg aggccagctc  960

gtggcagatc ttcgtcgtca gcggagagac tttgagtcca aagatattgt gaccgatgtg 1020

tatgcctcac ccacttttct ccctctgcca cactcaccta gtcggatagc tcgtacctgt 1080

ccgtcccctc cttcagatga ttccgcgccg gagttctaat caaaggccga atgtcacacg 1140

cctgccgcac atatggacgt cagattttcg gcattgggag cgtcaggcct gggttgataa 1200
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5328

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tcgtacacag aggacattct ctgtacacca cctgctcatc ccacgtaatc tgtgtatcga 2040

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ctcccctcag atcttcaggg ctatccatag tttaaatcaa agctcagctc cagtctttct 2160

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gactgagatc ggtcagatta gcgacgacct ccgacacgag atgattcttc tctcagatac 2580

actaggtgtc tcatcacttg tggacagtat caaccaccca cggcaaccgc ctgccacaga 2640

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<210>   3272
<211>   699
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<212>      DNA
<213>      Aspergillus nidulans

<400>      3272

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tgatttcaaa taatgcaact gtatctatag gtcgctttgt catgagcctc cataatagct   180

taaagcttca ataagccagc tacagcagag aggcgcgcta atcaatctca ctctaatact   240

ctgttaaggg aaggagctaa tgctcagccg tcagccctga tggtcaatgc caagatttca   300

tctgactatt acagcataag tttagtcgga tagattctac ctagcagaaa tatgtttgct   360

ctggatacct atacctgatc cgctttgtaa atctatgtgt gactgtgtct cgatcgccat   420

actgactccg ggcaggttct ttctacaagt ctctcactag agtagactac ttctgcctgg   480

cgcaatgtga gtcttttttt ctgaacagaa gcttgccaga ataactgccc ttctgtacta   540

cctgatctac ggggtaatcc tgcttgacca tggagtcagc gagctaaggt actacagatc   600

ctgggtcgta cccgacctcc aaagtcatgt gatatatgtg aaggaggtgg tcactggccg   660

gacgcgcttt gacataacac gtgcgacagg tgcagagat                           699


<210>      3273
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<212>      DNA
<213>      Aspergillus nidulans

<400>      3273

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caggtatctt accgatggcg gctactgcaa caagaccccg accccggc cgggccgaag       180

ctcccatcga ccctcctcct gtcccttcgg aaaatggtca ctcccagacc aaggattctt   240

cgcgcagaac ttcgtcgtcc ctaggcttcc tgcgccgttc caagtcgact gaaccaatcg   300

ggagcaagcc ccgtggcaaa aagatgtcca aggcccagat ggaagaggag cttcggcgtc   360

acggtgaggc gcggccgaaa caacctccgc gtctgcctga cttctcgcct cctccagtca   420

tcgaaacctt tggggggtgat gaaacccgca atggtgttgc tgacgttaca agccctcttt    480

cacccagtca atctcgaccg tcccgtagcg cgatgagtac tccggtgccg cctgattaca   540

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gcgacccta cgctcgaacc gagagcatga cccatcgcgg ccgttacagc tatgcaagca    600

gctatgtcag caccgttaac aatccgcgca gactgcgccg ccgcaaggac cctactccgt    660

acaagtgagt agagtgtgca tcatggaagc cgacgagacc gtgctaacac tagatacagt    720

atcctcgtca tcggtgcgcg aaactcaggc aagacttcct tgcttaactt tctcgcaagt    780

cgctggctct gcccccgcat aaacatcctt cgcgtgcgcc cgacgaagtg gaatatgata    840

gtcacaaccc cgccagcgaa aggtacactt ctcactac                          878


<210>       3274
<211>       669
<212>       DNA
<213>       Aspergillus nidulans

<400>       3274

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cgcagcagca atgtcagact caaaagactc caagggcaag gccctcaggt cagttaattc    180

agcctcaacc cgtacaatcg cttctactaa cactgtccag aagcccaacg atgcggaaca    240

gacaccgggc ggaaagctga ctccgcaggc ggccgaggca ctattggaaa acaatccctc    300

cctgaagaac gagctcggtg ggttagataa ggacaaggct ttggaagcat tgcgcaagat    360

ggatatatct gaacttctga ccgggctttc tttgaccggg aagaacaaga aggatatggc    420

cgcgtttaag ttctggcaga cgcaacccgt accgccgctt cgacgaagcc gccagcaatg    480

ctgccggtgg gccgattaag atgatcgacc ctgagaaggt atcgaaggag ccggatgcgt    540

tgattgaggg cttcgagtgg accaccctgg acttgacgaa cgaggaggaa cttcgggagc    600

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actccaagt                                                           669


<210>       3275
<211>       758
<212>       DNA
<213>       Aspergillus nidulans

<223>       unsure at all n locations
<400>       3275
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ctattgcgac ctaagaaagt aaactacagg gcttactaga tcttcccctt gtctccttcc · 60

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catcctgttt agagaattta actcttttcc ctccatggaa ctttggtcta tggcaaaaga 180

gctcacaggg acctggacct accaaggcct ccctgataga agttacaggg cttgctccca 240

gcctacctag tgtgctttct acatcacgaa agagagacca tatactaaac cccacaatga 300

aacgagagag atatgtgaag gcaaaagaga gtatttataa tgcatacttc gtctttgagc 360

ataggattta taaaaaagga tcaatagagg ccatatttca aaaacggaaa actacatgaa 420

gcaaataaga tattagaggg gaattgctct aatatatggt taaattatga ggtcaatttc 480

ggtattagtc ctcgatacaa cacttctcgc aaccatagta ttaagcccca gggccagata 540 ·

aagtaaacaa ggtcaggaat tgatattaag gcgctgtatt tctgccactc tatgacgaga 600 ·

ttacatagaa cgcaattgga gtgggaacag agacagcttc acacatgagc attctgaaaa 660

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gtactataga acccctaatt tttcctgcgt ttgatgca 758

<210>   3276
<211>   814
<212>   DNA
<213>   Aspergillus nidulans

<400>   3276

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tatagcctcc agacaacgaa catcgcacac cgaagacttt ttgttctgta tcaatcccgg 120

agcccagacg aagccttcag gttgaccttg cggatttgct cggcggcgtc taaacccgcc 180

gaggttcgcc ggcgccgccc atgttgtgcg atagagtatg acagcaagac gagaatccga 240

gacagaattg agagagaacg acagctcacg ccagcgatgg actaaggcgg atggtgcacg 300

gttttcatac gaaacggcag gcatgattcc ggctattctt gagacacttt ttcacactag 360

aagcctgctt tcgcatgaat tcccggcgtc acgtccggcc actcggctgt tgaccaagac 420

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tggcccccgc gcccactagt tttggttgcc ggctgaatcc ccgggtaaat taacctgggg 540

tgggaaaact ccacatggag aaatccagat tcagtgggga gacgaacgtg gccagtagca 600

5332

cggagcgagt gtataggatt gggtgagtac gctacagttg cgtacaatat tggtaggtcg 660

gtagttcatt caggcgagtc gttgtgtttg ttaacgcgag catcaattgc tgggctcaca 720

cagtgtccgt ggaaagtcca tgggaaagca cggagcatca catgtgccta gccattctgg 780

tggtcaactg ggtcgttata ctctctgagc catc 814

<210>   3277
<211>   671
<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3277

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acacatctca gcctcatgcc ataacgaaag cttgcagcgc aactttggga tactgagttt 120

gggcagaaag ggagggaagg agttgtccaa cgtcttcttc caccatgtcc accggtaaac 180

cgtccatcat gacctctctg ctctcttgtc cgtaatatga ccgaccgcgt cgcgggcttc 240

gactccggct gcgactgtaa cttcggcttc ggctgcgtga gcgataacct tcgcgatcgc 300

gatcgcggta gccgtgccgt ggccgtcgcg gaggtgacct tgaggatcgt cgtcggaact 360

cattcgcggt ctcgacttcg gtatcgagat cgagagccgg aatggcctcg ggagtagtcg 420

cgtcttctgt cggctgcggg gcctcgagga ggagtgtgag atggacctat gagcaggagg 480

aaatttagtt cagttttgt cgcatcctga aaactatacg cagggagata gtgtaccgtc 540

aggtgaacga gaacgggatt gagagttgtc gtcatacatg cngncatnca ggtcgtncct 600

gcgagggacg gncgaggagg cggccangga gatacctgta tcttcaggtt cagatgagac 660

atgtaaacaa c 671

<210>   3278
<211>   641
<212>   DNA
<213>   Aspergillus nidulans

<400>   3278

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ccgttggcga acctcatcct catgaataac atggactccc gggctaacaa aggagttctg 120

cgtataccag ttgtagatct ccctgagttc tggagtatcc ttgttgacat caacgggtcg 180

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tagataggta  tccgcgactg  ggctgcgtgg  actacagagc  ggttcacgcc  gtgcctcgcg  240

ccgaagttga  agctccatcc  tctttcggtg  ttctactgct  tcttctgact  ccctctcctg  300

aaggttgatg  ttatagcaat  aaacagcaac  agtttcgtgc  gcatgaggcc  atgatacttt  360

gtcatttggg  tctaaatggg  tctcatactt  acgcatgtca  aggatgaaca  tcgatttttc  420

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attgctgtgt  gcaaggccgc  gggggcaata  tttcccagta  aaacaatggc  agggtcagtc  600

cagctatttt  taaggacccg  agttttttgg  gtgtttgttt  c                        641


<210>      3279
<211>      860
<212>      DNA
<213>      Aspergillus nidulans

<400>      3279

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tgcagaaaca  acgcctgtta  gcctatccta  atggtcagga  tatcgatggg  gtcatatttc  120

ttcagcagtc  taatcaacat  attaaggtaa  gtagttatca  actgcctgta  agccggttgc  180

caaatactta  tattacatat  aggattacat  tcaggagaca  tatcatgact  cagaaggcac  240

tatggttata  tgtgcttata  gggagcaaat  ccagctccta  gctcaactat  cctcatttga  300

agtagatatg  tcttataagc  gaattcggac  caaagacata  aacgaggtgc  tttttgcaac  360

attcttgcct  gaccagtgca  aaggtaagtt  ttttgcacgg  ttctggaatt  gtggctaact  420

gcttttttcta  gttatcacct  tgctgcgtgt  ttttactagt  gatgactcta  cgcggggtta  480

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atatactggt  gagtaccctc  agtcggctca  cagggactta  ctaactactt  gttaaggtct  660

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5334

<210> 3280
<211> 1278
<212> DNA
<213> Aspergillus nidulans

<400> 3280

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aacccagtgc ttggccatga atcggtcttt gactaacgtc ctgtttggtg gaattgctgc   120

ccctcaacaa gcccagaaga agattgaggg caaggtcacc cagaccagcg tggaagagac   180

agtggactct ctagcaaacg cagaaagcgt cattattgta agtatcaatc cttggcacaa   240

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agccaatgat accgtcaacc ccatcgcact ggaaccagac tccccaattt ctggtatgcc   600

cgtgttgcag gcgtggaaga gcaaggaggt tattgtgatg aagcgtggca tgtctagtgg   660

atacggtagg ccttcgcctt cccttcttgg tttcaccata ctgacttaag atagccgatg   720

ttcccaaccc gatgttctac atgcccggca ccaggatgct tttcggagat gcaaaggcca   780

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gtaagcagga ctcgaactaa cttactggat gtggattgca cgtaaactct acttgacgga  1140

aagcttttta gcttttgcgt aaggatataa ggacagttac tgccagggaa gattactagt  1200

tgtaaacgtt gatttactag ggttatggct gtaagggctg tcattatata tggtgccttg  1260

aagatggact tagttgga                                                 1278
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<210> 3281
<211> 723
<212> DNA
<213> Aspergillus nidulans

<400> 3281

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actggaagtc gttgggtgag tgttgcccgt ggagctctgg tgcgggcagg atagctcctc  120

taaccctcag actgaggtat aacctaccgg gcgtgcatca gccgcaggtt tgcggagata  180

gtcttttgcg ccatttcttc tgatcagcag gttaagggat atggtgcgca tctgatgtcc  240

catctgaaag taagcaagca aattgaaagc gtgctcacct ctgcgagtat cattacttac  300

tgaaagctct ttaggactac gtcaaggcca cttcggacat tatgcacttt ctgacctatg  360

ccgataatta tgcgatcggg tatttcaaga aacaaggatt cacaaaagag attcaactgg  420

accgatctat atggatgggc tacatcaaag attatgaagg aggaaccatc atgcagtgca  480

caatgctccc gaaaatccgg tatctcgaat ccgggcgcat gttgctcaaa cagaaagagg  540

cggtccacgc aaagattcgt gccttcagca atcgcatat catccatccg ccgccgaagg  600

agtggaagaa cggacctgtc aagattgacc cgttgagcat tcccgccatt aaagagtccg  660

gctggtcgcc ggatatggac gaactcgttc gtcagccacg acacgggccg aattgaagca  720

tct                                                                  723
```

<210> 3282
<211> 1174
<212> DNA
<213> Aspergillus nidulans

<400> 3282

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tggagcgatc attgcgtggg aaaacccact ctgtacgtgg aaagttgaga cttaaggata  180

ctcacgagtc ggataccggc gtcgattcgc caaacggtgt accgtgtgga ggaaacacag  240

gaggcctcaa ctcccagtgg atcaagctgc ctcaaaaata tcccggtcag ccactggcat  300

agatgctgga ttaaggccca tggctgaata ctcaggcaga gtataaatga caatatcatt  360

cagaacggga ataagcagct aaaatttccg gaatagagcg gttgttattc gctcaatgag  420
```

5336

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taacggtcac acagccgagc tgacagacgc tgccatgcgc cagtgacctc gtgcaaaagt    480

cgacgacaag gcaccagggg caaggttgca gcagctgcgg ccgtgatgaa gagacggccg    540

aagtttcttt gggcgacagc ttcaatcagc atggacgagc cacggaaaat gcatggctaa    600

tgccgccttg aggcactagg tctggacttg atactgtttg tagtatagcg gtaggcgagt    660

ggagggctgg cggatggcct gacggagccg cggatccttg tcagctgcgg gtaaaggtac    720

agtagcaccc ccactgggct ggactatcgg ggtgacttac tcgaggaaca gtgtttagga    780

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ccggcgttct gggtacggca ctccctgatc cttgctggga gactttgcaa cttctcgtgg    900

cgtactgcgt actccgtact aacactccag gctcagggca acaagaggcg ggagactaaa    960

atagatcgcg gatggtgaat cgtggagcaa ttgatggtga ccggcgagcc tgtgagcctc   1020

tcgacgtcga ccgaagaaag aaagagttct cgatgagagt gggaatggat taattaccta   1080

attaccagta agattcgata cgatacggta ccccgctgac cagcccatac gcccactttg   1140

gctcattttg atacaccata aagttctggt cacc                                1174


<210>      3283
<211>      948
<212>      DNA
<213>      Aspergillus nidulans

<400>      3283

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gattggtgag tacctgaagc ctgggatata tgtttgctta tcgtgtaagt catttggctt    180

ggggtacttt cagacgagtg ttgatgtgtg agtgctgatt aggtcattgg aagcttgggc    240

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tcacatctat gattggatag atgaacttga cgttttgatg tttgatgtat ggggcaggac    360

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gtggacaggg gagcaatgtc caaaaacggc ttagcatcgc agtaaatgac aaaagccgcg    480

atgcacggat agtaatgaac gccaatgtca catagaatga aatactgggt acaatcatac    540

gtaaatctat cgtaactctt cataacttaa gtcaaatgaa acaaccatat ctgcaaaaaa    600
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aaaaaaaaga taacgccacc tacttccagg cattcagccc ggcccaagga tcggaagaat   660

ttgcggaaac ggaaggtcca gtttgcggtg atgactgtga atgagccttg tggtgctggc   720

tgcttccgta tggtcggctc tgagcatacc cgcctggtcc cgaggggaac ggccctgttg   780

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ccgggtgctt gttcctaacg accatgactt ctggcgcatt tttgtgtcct tgcttctgtt   900

gcacttgtcc gtgagctttt tggggctagg ccaccatctt tctaaggc                948


<210>     3284
<211>     1484
<212>     DNA
<213>     Aspergillus nidulans

<223>     unsure at all n locations
<400>     3284

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<213>      Aspergillus nidulans

<400>      3285

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tcactttggg aacgtcgtaa tcgttaaaag cacaggacac cgaaatgagg cataacctca  240

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5339

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5340

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<212>   DNA
<213>   Aspergillus nidulans

<400>   3286

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catgtttagt atctcgaata tttgtagtac agtctggggt gcgaggccta ggaacaatta   180

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gtgcagaaaa agtcacagga tccagcttga tcaacacttc ggcgtccata tgacttcatc   360

ctagacatct gcaccaagca gatgcagttg acagctgccc cgcgaagacg tcggtttgcg   420

gcccgcttat atttcccact gctatcacgg gatcttgctt aggagacttg tcagtcctcg   480

atatgcttgc tgggtcggaa cctctgtgca gggcaagact caaagataga cccaatggat   540

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acccggtcgt gggagttttt gcggactctg gttcgtcgta agttacctag gatactctca    660

tcagttacaa tactaacaac tcggaaagcg ccgcgcatat catttaccgg ggtgaccaaa    720

accactgtac aatctcctat aatatcagtt gaacaatctt caacaataaa acggtcgata    780

ttgtctcggg gttatcctga gcttgttgca ggctacggcc ttgctcacag tgaaacagtt    840

tcgcatacca tcacagcagc aagcagagca tgtaacgctt tggagtccaa gcttcttgac    900

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<400>      3287

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gtcaaagttc tctgctgaag cagtttcttt gctgaaatcc aaattgctga taatcctcgg    180

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gtcgatgctt gttgaatagt cacccggaat tgcgtgcatg ggtagttgcg cgtcacatc     300

gttttttagg aagggagggc cgtttacagc gtctggagaa gtagagccaa gatgcagaag    360

cgcctcagga agagatgttt cgtggaaccg tttcaactct agagcaacac tggggctggg    420

cagctccaaa tcgtcagacc aatcatcaat gaactctcgc tttgtctttt tcctcccaag    480

gcgtttaatt gtacctccga cgagagctgc gcgagggatg ttcaccggca aggaatccc     540

tgcattttgg acagaagtta tagcttcttc attcacaaac tcatcttcat caagaagctg    600

aatttgccag tccttgtctc ccctgtgggg gattgagatc agaacgagca ggtcg          655
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<210>      3288
<211>      882
<212>      DNA
<213>      Aspergillus nidulans

<400>      3288

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5342

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tcaggtctcc ttgcttacga tcagcatata ccatgaatag ctggactatt aatatccaga    240

gagctacact accatggcta aacagaatgc gtcctgccca aattgcctgc gataaggaca    300

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aagatcccgg gcgtccgttg gcaagctagt ccgcgagcag ccagtcacgt cggactttgc    420

agaggctaga ctttaccttg gcagggtgat ggtatcactg agacttgcca aatggttcgc    480

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tgtctttttc tgcagcctac ctttacaccg gcgtcaatgc ct                      882


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<212>     DNA
<213>     Aspergillus nidulans

<400>     3289

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cagcttgctc tgcctcgctc ttgtctgtgc ggggtatgcc aaaaaactag ggttatggag    720

gctgttgccc accacggctg cggcagtggc cctttactgt tgagt                    765


<210>    3290
<211>    1100
<212>    DNA
<213>    Aspergillus nidulans

<223>    unsure at all n locations
<400>    3290

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ccttctcgag tggctactcc catgtcccct acgactgcca tggctatggc ttctcctcct    180

gactgtcgtc gtctccttga caacaactgg gcgatcattg ttacgcctat aaagccagag    240

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gaatgcgcca aaggggccca gggagaccca aacactgcnc gccgtcccaa ccnccgcagt    420

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gatattcagg accatgtctc                                              1100
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5344

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<211>   989
<212>   DNA
<213>   Aspergillus nidulans

<400>   3291

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aacattctaa aacgcagctc acaaggtata ctggctcgag gacttcctga tgcacgacat   600

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cctagtggtc tagcaagttt tggtcgccgc gcgagaaagt tgagtaagcc acctacccgc   900

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<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   3292

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tgcacgtaaa ggtctaggga tcagtgcaac tgttctagat ctcgtcgatc ctcgttatgt 1560

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5346

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5350

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5377

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5378

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5379

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5380

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5390

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5401

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5403

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5406

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5414

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<213>   Aspergillus nidulans

<400>   3345

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5420

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<213>   Aspergillus nidulans

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tcttccgcgc cttcactggc gtaggtggcg gagccctgat gacggttgcg cagatgactg  720

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catatccaaa ttctccacaa caaaagccat aaaccgcaca gagagactgg ggtcattatc   540

ttgaagcggc aaagtgatgg ggctgcgaag aatgtctgaa ttacggtggc tttttagcag   600

cctaggtgtc aagcttggat tatgactgtc aaactaaggc gcgtgtctat ttgaataacc   660

tcaactgtac cgtattagga agccacaacc cggcggtccg cttcttcaac cttcgtcaga   720

gccgacctat tgattcagct ctatagccag ctgtcatcag ttcatggcag acgctaatta   780

5424

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ctcccaattc tcttccacaa caccccaata cctctcgcga ctcctaactc tacaccccctt  960

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catgtatacc cgcaaagacg ttgcccacca taacgcccgg cactcatgct aagacattgt  600

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5425

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5426

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5430

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5432

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5437

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cattttctat aaaccggtat cgtataaaga cccccttgca atttaaaaaa aaatgctgtt   1500

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<213>      Aspergillus nidulans

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cctcgaggcg tttgatgtca ttctgcaaag cccgagtatc gctgggcgcg tccttttccc    180

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taacaaacga ctggaacttt ttggctgaaa acaggatccc tggctgcccc attgatatct    420

gacggccaaa gaaagcgtca gcccaggcgt ctccgaattt ctcgaaataa agggatattt    480

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<213>      Aspergillus nidulans
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5448

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<212>   DNA
<213>   Aspergillus nidulans

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cccgcgctcg atcgatggcg caagtcattt cctgaacctc actagcgacc tcctcgcgtc   180

tactacagcg gagttagtcc gctatcaggc atgtctgtgc ccatgacgtt ggagaaatcc   240

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tcagtcaatt caccccgcag gagcggaaaa gactcatccg tcgcatcgat ctgcgcctgg   480

tcgtcacctt gggctgtctc tactgcatca gtttgctgga ccgaacaaac cttggtgcag   540

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gcaacccgat cttaacatga acgcctccaa caatggatat agtataactt cccttgtttt   660

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5451

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5452

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5453

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<213>   Aspergillus nidulans

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gccagccttt gcataggaag tagagaagcg acatctacca tcgtttattg cctgcctgcc   180

catcctgacg tcataagaca tggagcgcca cacggatgac gaaagtacag taaccagtac   240

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cctcagctgc aaccatatag gacgtcatgt tgaagtaccc cataagcgat cttttcccgt   360

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ataacctttt tttccctctc gactccaacc tcgtcgcgac tcagtttcgc aattgtcggg 1080

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ccgaccccgc tctttatcac agattgggaa ctcgcccagc atggaactcg agctcttgat    180

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5455

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5462

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5465

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gttgcactta agcctctctt gcagcattgt ctggcccta cccagcccaa aatctccgac   180

ggaattctcg actggttcct ccctcgcacg gtatctctgc tccacgacgc ttcacggcct   240

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cacgaccgac tatccttccc agacggcgac agctacagct acacaccctc attcattcgg   360

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gaaatcttgt ttgatgaagc gaatccggat gaagatgcag cccgttgggc ggaagctatc  1200

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catattcttg gacagtacgg ggtatgttat gttgtatcta tcttaaactt cgcgcaagct   180

aactggtcta gactttcatc gtcgagcgaa gcgggacaga tattgacaag gcgctcgcgg   240

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5467

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<213>   Aspergillus nidulans

<223>   unsure at all n locations
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5468

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cacaattaaa cgcggggctc gagagcacaa attcccaagg ttgttgtggg cttttttata 1560

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gctaaagaag cctacataac cctcatgcca actcccagtt tacactcgtc gagccaacat  660

cctgactata agctaacaca gaatgcctca atcctgggaa gaactggccg ctgataagcg  720

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<213> Aspergillus nidulans

<400> 3391

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<212>   DNA
<213>   Aspergillus nidulans

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5473

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5474

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5483

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5484

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caaccctctc gtccgcctca aatatgtccc agagagcatc tctcgacact cgatgctatc  1020

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<213>   Aspergillus nidulans

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5490

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5491

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